

**What is claimed is:**

**(Claim 1)** 1. A cold cathode fluorescent flat lamp, comprising:  
a cavity structure, comprising:  
a cavity shell;  
a plurality of spacers, disposed in the cavity shell, wherein a tolerance of a height of the spacers is larger than about 0.01mm, or the tolerance of the height of the spacers is in a range of about 1/20 to about 1/4 of the height of the spacers;  
a hardening paste, disposed between the cavity shell and the spacers;  
at least an electrode set, disposed on the cavity shell;  
a fluorescent substance, disposed on an inner wall of the cavity shell; and  
a discharge gas, disposed in the cavity shell.

**(Claim 2)** 2. The cold cathode fluorescent flat lamp of claim 1, wherein the height of the spacer is in a range of about 1mm to about 2mm.

**(Claim 3)** 3. The cold cathode fluorescent flat lamp of claim 1, wherein a thickness of the hardening paste is in a range of about 0.1mm to about 0.25mm.

**(Claim 4)** 4. The cold cathode fluorescent flat lamp of claim 1, wherein a thickness of the hardening paste is in a range of about 1/20 to about 1/4 of the height of the spacers.

**(Claim 5)** 5. The cold cathode fluorescent flat lamp of claim 1, wherein the hardening paste comprises glass paste.

**(Claim 6)** 6. The cold cathode fluorescent flat lamp of claim 1, wherein the cavity shell comprising:

a first substrate;

a second substrate, disposed over the first substrate; and

a frame, disposed between the first substrate and the second substrate and connected to an edge of the first substrate and an edge of the second substrate.

**(Claim 7)** 7. The cold cathode fluorescent flat lamp of claim 1, wherein an air pressure inside the cavity shell is less than an air pressure outside the cavity shell.

**(Claim 8)** 8. A cavity structure, comprising:

a cavity shell;

a plurality of spacers, disposed in the cavity shell, wherein a tolerance of a height of the spacers is larger than about 0.01mm, or the tolerance of the height of the spacers is in a range of about 1/20 to about 1/4 of the height of the spacers; and

a hardening paste, disposed between the cavity shell and the spacer.

**(Claim 9)** 9. The cavity structure of claim 8, wherein the height of the spacer is in a range of about 1mm to about 2mm.

**(Claim 10)** 10. The cavity structure of claim 8, wherein a thickness of the hardening paste is in a range of about 0.1mm to about 0.25mm.

**(Claim 11)** 11. The cavity structure of claim 8, wherein a thickness of the hardening paste is in a range of about 1/20 to about 1/4 of the height of the spacers.

**(Claim 12)** 12. The cavity structure of claim 8, wherein the hardening paste comprises glass paste.

**(Claim 13)** 13. The cavity structure of claim 8, wherein an air pressure inside the cavity shell is less than an air pressure outside the cavity shell.